

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 11/23/2017 09:06 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123996	-1	1.13	123893	1.10
Blue	F	SSC	125000	123020	-2	2.69	123416	2.50
Blue	E	FITC	23615	22868	-4	2.34	1020	10.27
Blue	D	PE	26739	26402	-2	1.89	949	9.79
Blue	B	PerCP-Cy5-5	48339	47395	-2	3.30	1354	16.78
Blue	A	PE-Cy7	45021	44207	-2	5.08	678	35.24
Red	C	APC	53064	52412	-2	2.85	3015	9.58
Red	A	APC-Cy7	57175	56421	-2	2.81	1164	11.29
Violet	B	V450	14728	14005	-5	5.09	673	9.44
Violet	A	V500	58621	57020	-3	4.98	2526	7.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19577	1.97	608	-6	N/A	N/A	Pass
Blue	F	SSC	60796	1.46	544	-2	N/A	N/A	Pass
Blue	E	FITC	114	39.65	545	-3	0.0207	192	Pass
Blue	D	PE	206	29.65	535	-1	0.1637	266	Pass
Blue	B	PerCP-Cy5-5	212	44.29	631	-4	0.0103	78	Pass
Blue	A	PE-Cy7	73	118.61	689	-4	0.0121	14	Pass
Red	C	APC	351	28.08	597	0	0.0199	69	Pass
Red	A	APC-Cy7	128	40.43	580	0	0.0055	1561	Pass
Violet	B	V450	82	42.36	469	-1	0.0492	2119	Pass
Violet	A	V500	185	22.81	497	0	0.0164	736	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.00	-31.45	0.84
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.55	14.40 - 21.60	N/A	N/A	31.21	31.80	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13843

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments